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From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
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Subject: Info-Hams Digest V94 #816
To: Info-Hams

Info-Hams Digest Tue, 19 Jul 94 Volume 94 : Issue 816

Today's Topics:

 Amateur Radio Newsline #822 8 Jul 94
 Weekly Solar Terrestrial Forecast & Review for 15 July

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We trust that readers are intelligent enough to realize that all text
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policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 15 Jul 1994 06:19:13 MDT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!
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Subject: Amateur Radio Newsline #822 8 Jul 94
To: info-hams@ucsd.edu

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If you have any comment, suggestion, or news item you would like to submit,
send them via E-Mail to 3241437@mcimail.com or B.PASTERNAK@genie.geis.com.
You can contact Newsline at +1 805-296-7180. It is a combination answering
and FAX machine, if you have a FAX to send, wait for the voice prompt and
press your fax-send button.

All other information and disclaimers are in the text header below.

NEWSLINE RADIO - CBBS EDITION #132 - POSTED 07/14/94

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(*      * ** *      * ** *      * *      *      * ** *)  
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(*                                     *)  
(*              ****      *      **** ***** *** *)  
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(*              *  *  *  * ***** ***** *** *)  
(*                                     *)  
(*****)
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The following is late news about Amateur Radio for Radio Amateurs as prepared from NEWSLINE RADIO scripts by the staff of the AMATEUR RADIO NEWSLINE, INC. -- formerly the WESTLINK RADIO NETWORK. For current information updates, please call

Audio Version of Newsline

=====

| | |
|--|----------------|
| Los Angeles..... | (213) 462-0008 |
| Los Angeles (Instant Update Line)..... | (805) 296-2407 |
| Seattle..... | (206) 368-3969 |
| Seattle..... | (206) 281-8455 |
| Tacoma..... | (206) 927-7373 |
| Louisville..... | (502) 894-8559 |
| Dayton..... | (513) 275-9991 |
| Chicago..... | (708) 289-0423 |
| New York City..... | (718) 353-2801 |
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Electronic Hardcopy Version of Newsline

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| | |
|--|----------------|
| GEnie (RTC Bulletin Board)..... | m345;1 |
| GEnie (File Library)..... | m345;3 |
| Dallas Remote Imaging BBS (DRIG)..... | (214) 492-7573 |
| In bulletin number 36 | |
| The Midwest Connection BBS..... | (701) 239-2440 |
| In bulletin number 6 of the ham radio conference | |
| Delphi..... | |
| In the ham radio conference | |
| Internet..... | |

In the rec.radio.info newsgroup
FTP: oak.oakland.edu, archive: pub/hamradio/docs/newsline
Fidonet, RIME, Intellec, I-Link.....
In the Ham Radio conferences on those networks

For the latest breaking info call the Instant Update Line listed above. To provide information please call (805) 296-7180. This line answers automatically and will accept up to 30 minutes of material.

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For further information about the AMATEUR RADIO NEWSLINE, please write to us with an SASE at P.O. Box 463, Pasadena, CA 91102.

Thank You
NEWSLINE

(*****

Some of the hams of NEWSLINE RADIO...

WA6ITF WB6MQV WB6FDF K6DUE W6RCL N6AHU N6AWE N6TCQ K6PGX N6PNY
KU8R N8DTN W9JUV KC9RP K9XI KB5KCH KC5UD KC0HF G8AUU WD0AKO DJ0QN
and many others in the United States and around the globe!!!

(*****

[882]

Newsline report number 882 for release on Friday, July 8, 1994 to follow.

The following is a QST

An Alabama repeater trustee follows the lead of Southern California and orders a user off his machine; the ARRL objects to a proposed spectrum shift and lots of action from the FCC. These stories and more on Newsline report number 882 coming your way right now!

(*****

ALABAMA USER ORDERED OFF REPEATER

In what's believed to be only the third case of its kind, the trustee of an amateur radio repeater has ORDERED another ham OFF the frequency. Newsline told you about this happening first in Southern California. Now, a similar case surfaces in Alabama. That's where the owner of a 2-meter repeater accuses one user of allegedly transmitting harassing and racially offensive communications. The user says he's the victim of politics.

This is a first for Alabama. A repeater trustee orders an amateur radio operator to stop transmitting on the system's input and output frequencies. Repeater owner Lester Crane, WA4CYA, is taking the action against Jeff Campbell, WA4ZVG. Crane tells Newsline that Campbell's actions were driving other users off the repeater.

"Has been very belligerent very critical. It has really made some topics of conversations on the down side toward No code techs. He has made detrimental comments to blacks, hurt peoples feelings. He has been talked to by the control operator and been warned. I had sent word to him myself. Warned him face to face about some of his actions. None of this went heeded." Crane, WA4CYA.

In a June 13th certified letter, Crane quotes FCC Rule section 97.205 E. That rule sez limiting the use of a repeater to only certain user stations is permissible.

"I don't really care to use his repeater it's a political thing." Campbell, WA4ZVG.

Campbell responds to charges he made racially offensive comments.

"That is not true whatsoever. I did get over on the repeater and expressed my opinion about no code technicians which is my opinion." Campbell, WA4ZVG.

Campbell tells Newsline he won't be using Crane's repeater any more.

"It's not because he's telling me not to. It is because I choose not to." Campbell, WA4ZVG

Crane calls Campbell's actions unbecoming of an amateur radio operator.

"This is something I have really hated to do. Something I have never had to do. I have put this off now for four or five months. And was hoping he did and about face and try to get with the plan

like everyone else. Even with warnings and being talked to still it was to no avail." Crane, WA4CYA.

Crane has forwarded a copy of the letter to the FCC. Campbell is believed to be the fourth amateur radio operator ordered off a ham repeater by a trustee using FCC rule 97.205 E. You may recall earlier Newsline reports involving the Claremont Amateur Repeater Association in southern California. In two separate cases, Clara successfully took similar action against three hams it accused of harassment.

On February first, an important interpretation of that rule came from FCC Personal Radio Branch Chief John B. Johnston, W3BE. Johnston issued the interpretation to attorney Sid Radus, N6OMS as part of the legal fight Clara was waging at the time against Tim Seawolf, KJ5KE. Johnston says rule 97.205 E -- without qualification -- permits a repeater licensee to limit use of the system to certain user stations, and to exclude anyone else.

It's too early to say whether or not a trend is developing to ban unwanted users from repeaters. But one thing is certain. The Johnston letter and the court findings in California are having a definite impact on FM and repeater operation in Alabama, and probably nationwide.

(*****

ARRL SAYS 2300 MHz REALLOCATION IS ANTI-AMERICAN

The proposed reallocation of 35 MHz of spectrum in the 2300 MHz band goes against the will of Congress and existing and future amateur uses of that spectrum must be protected. So says the American Radio Relay in comments filed to the FCC June 15th.

The comments were in response to an FCC Notice of Inquiry released on May 4th. An NOI that asks for information from potential applicants for use of the spectrum at 2300 to 2310 MHz, 2390 to 2400 MHz and 2402 to 2417 MHz. Amateurs currently share 2300 to 2310 MHz and 2390 to 2417 MHz with US government users.

The transfer of spectrum from federal government to private sector use is required by the 1993 Omnibus Budget Reconciliation Act. But that same congressional mandate also requires that the needs of amateurs be taken into account.

(*****

STOLEN RADIO EQUIPMENT SEIZED

An interference investigation by the FCC's Boston Office last year recently led police to stolen radio equipment valued at \$40,000.

In May, 1993, the FCC investigated an interference complaint

from a McDonald's restaurant in Westwood, Massachusetts. At the time the FCC was able to identify a suspect, but not prove that he deliberately jammed equipment over which food orders were given.

But similar interference complaints made by the nearby Concord Police Department led the FCC to inspect the suspect's home. The commission investigators then informed the police that they found equipment capable of jamming the police signals, as well as piles of equipment reported missing from the Metropolitan Boston Transit Authority. The Police obtained a search warrant, seized the goods and took at least one suspect into custody.

(*****

MARSHALS COMMUNICATE UNDER THE WEATHER

When agents of the U.S. Marshals office in Nashville, Tennessee complained to the FCC that they were having difficulty communicating because of constant weather reports being heard over their communications, The agency's Atlanta Office took to the streets to locate the offending device. They soon discovered that a transmitter licensed in the Marine Coastal Service was transmitting continuously and its signal was mixing with the weather bureau transmitter located on a nearby building. The fix? The signal mix was so severe that it required the marine transmitter to be taken out of service by the licensee.

(*****

CAL LICENSE FRAUD UPDATE

Not much news to report this week in the ongoing government probe of alleged corruption in the California's VE testing program. Rumors out of Washington do seem to indicate that the investigation by the FCC is winding down. This means that we should soon know the names of those the Commission feels are guilty of wrong doing.

You can expect the FCC to issue heavy fines and act to revoke the licenses of any ham that the Commission can prove was involved in the statewide licensing scam. Also look for additional punitive action from other government agencies as well.

(*****

RUSSIAN AID TO RWANDA

A Russian Amateur Radio Emergency Service team is using ham radio to provide humanitarian assistance in Rwanda. RW3AH who serves as Russian ARES Chief Coordinator in Tanzania told the Ohio Penn DX newsletter that the R3ARES headquarters club station of the Russian ARES has moved with a government rescue team to

Tanzania from their recent operation in the former Yugoslavia.

The rescue team is from the Russian Ministry of Emergency Situations. It is providing humanitarian United Nations aid for Rwandan refugees in Tanzania. This ham radio station is only active daily during the regularly scheduled Emergency Relief Net on 14.292 MHz at 07:00 UTC. Please listen carefully to avoid accidentally QRMing this important life saving communications.

(*****

SAREX STS-65 SAREX

The STS-65 Space Shuttle mission, with the Sarex Shuttle Amateur Radio Experiment payload on-board should be in orbit as we go to air. The orbiter was slated for launch on Friday July 8 at 16:43 UTC.

The STS-65 Space Shuttle Columbia mission will carry Amateur Radio operators Don Thomas, KC5FVF and Bob Cabana into a 28.5 degree inclination orbit for a 14 day mission. The primary objective of this flight is to perform research as part of an International Microgravity Laboratory experiment.

If time permits, some thirteen schools in the U.S., Japan, and Germany should be able to hold ham radio contacts with the astronauts. Ten of these school group contacts will be performed using AMSAT's worldwide network of telebridge stations. The telebridge which is provided as a public service by the Darome Connection Incorporated allows students to talk to the Astronauts through a remote ground station that is linked to the school by telephone.

The Goddard Amateur Radio Club station WA3NAN in Greenbelt, Maryland expects to retransmit some of these school contacts as part of their Shuttle Transmission activities. Other clubs around the nation are expected to retransmit full mission audio over their repeaters and high frequency bulletin networks as well.

(*****

ISRAEL CEPT

Israel has become another new signatory to the pan-European CEPT universal Amateur Radio licensing agreement. Under the accord, Israeli radio amateurs may now operate in the nation of any other CEPT signatory without the need to file for either reciprocal license or operating permit for the term prescribed in the terms of the agreement.

(*****

UK 10 GHZ FIRST

The GB2RS News Service of the Radio Society of Great Britain

reports that the first 10 GHz moonbounce QSO between two British stations has taken place. The contact took place at 23:40 UTC on the 19th of June, when G4RFR in Dorset worked G3WDG in Rushden, Northants. G4RFR is the club station of the Flight Refueling Amateur Radio Society. Good reports were exchanged and both stations were able to hear their own echoes as well as each other.

(*****

DX

In DX, the ARRL says that its DXCC Field Checking program has generally been a success. This, with about 400 certified volunteers at work.

But there have been problems in two areas. These are the submissions of QSLs for countries not eligible for field checking, and applications in which the call sign and the DXCC country do not correlate. The latter are countries which are eligible for field checking as noted in the League's DXCC Countries List.

The league says that these errors are caught at headquarters, but they slow down the entire DXCC processing system.

(*****

NEWSLINE ALMOST SOLVENT

Some good news to report on the financial status of Newsline. Dr. Norm Chalfin, K6PGX, reports that the Newsline Support fund has now received enough in the way of donations to keep the service alive through at least the middle of November. Norm says he was amazed by the generosity of listeners and by the many letters of support that accompanied many donations. He, along with our Producer Bill Pasternak, WA6ITF and everyone at Newsline say thank you for showing how much you really do care.

(*****

FIELD DAY 1994

It was long hours, lots of contacts ... and plenty of fun. That's how many hams are describing Field Day '94. This yearly amateur radio contest brings out hams from coast to coast who spend an entire weekend making as many radio contacts as possible.

In Alabama, Field Day typically means plenty of heat, humidity and mosquitoes the size of automobiles. At least they seem that big. But members of the Shelby Co. Amateur Radio Club get a break. A strong storm front brings unseasonably cool weather -- great for camping out, and great for the ham bands.

"Six meters was open pretty good at the beginning of the contest. We worked as many stations as twenty four hours last

| ----- | | | | | | | | | | | | | |
|-------|----|---------|------------------------|------|------|------|------|------|------|--------|------|------|------|
| | | 10.7 cm | HF Propagation +/- CON | | | | | | Mag | Aurora | | | |
| | | SolrFlx | LO | MI | HI | PO | SWF | %MUF | %K | Ap | LO | MI | HI |
| | | -- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| July | 15 | 080 | G | G | P | P | 15 | -10 | 70 | 4 20 | NV | LO | MO |
| | 16 | 080 | G | G | P | F | 10 | -05 | 70 | 4 16 | NV | NV | MO |
| | 17 | 080 | G | G | F | F | 10 | 00 | 70 | 3 14 | NV | NV | LO |
| | 18 | 085 | F | G | F | F | 05 | +05 | 70 | 2 10 | NV | NV | LO |
| | 19 | 085 | F | G | F | F | 05 | +10 | 70 | 2 08 | NV | NV | LO |
| | 20 | 085 | F | G | F | F | 05 | +10 | 70 | 1 04 | NV | NV | LO |
| | 21 | 085 | F | G | F | F | 05 | +05 | 65 | 2 10 | NV | NV | LO |
| | 22 | 080 | F | G | F | F | 05 | 00 | 65 | 3 12 | NV | NV | LO |
| | 23 | 080 | G | G | P | F | 05 | -05 | 65 | 3 15 | NV | NV | MO |
| | 24 | 080 | G | G | P | P | 05 | -10 | 65 | 4 20 | NV | LO | MO |

PEAK PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (15 JULY - 24 JULY)

| | | | | | | | | | | | | | |
|-------------------|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--|------------|
| EXTREMELY SEVERE | | | | | | | | | | | | | HIGH |
| VERY SEVERE STORM | | | | | | | | | | | | | HIGH |
| SEVERE STORM | | | | | | | | | | | | | MODERATE |
| MAJOR STORM | | | | | | | | | | | | | LOW - MOD. |
| MINOR STORM | | | | | | | | | | | | | LOW |
| VERY ACTIVE | ** | * | | | | | | | | | * | | NONE |
| ACTIVE | *** | *** | ** | | | | | | * | * | *** | | NONE |
| UNSETTLED | *** | *** | *** | ** | * | | | * | *** | *** | *** | | NONE |
| QUIET | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | | NONE |
| VERY QUIET | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | | NONE |
| ----- | | | | | | | | | | | | | |
| Geomagnetic Field | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Anomaly | | |
| Conditions | Given in 8-hour UT intervals | | | | | | | | | | Intensity | | |

CONFIDENCE LEVEL: 65%

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

60-DAY GRAPHICAL ANALYSIS OF GEOMAGNETIC ACTIVITY

| | | | |
|----|-------|---|--|
| 44 | ----- | M | |
| 42 | | M | |

| | | | | | | | | | | |
|----|--------------|-----|------------|------------|----------|---------|--------------|----------|-----------|----|
| 40 | | | M | | | | | | | |
| 37 | | | M | | | | | | | |
| 35 | | | MM | | | | | | | |
| 33 | | | MM | | | | | | | |
| 31 | | | MMM | | | | | | | |
| 29 | M | | MMM | | | | | | | |
| 26 | M | | MMM | | | | | | A | |
| 24 | M | | AMMM | | | | | A | A | |
| 22 | M | | AMMMA | A | A | A | AA | AA | | A |
| 20 | M | | A | AMMMAA | AA | A | A | AA | A | AA |
| 18 | M | A | AA | AMMMAAAAAA | | A | A | AA | A | AA |
| 15 | MAA | AA | AMMMAAAAAA | | A | A | AA | AAAA | | A |
| 13 | MAAU | AAU | AMMMAAAAAA | | AUA | U | UA | AAUAAAAU | | A |
| 11 | MAAU | AAU | AMMMAAAAAA | | AUAUU | UAUU | AAUAAAAUU | | UA | A |
| 9 | MAAUU | U | AAU | AMMMAAAAAA | UUUAUUUU | UUUUUU | AAUAAAAUU | | UA | A |
| 7 | MAAUUUUUAAU | | AMMMAAAAAA | UUUAUUUU | UUUUUU | UUUUUU | AAUAAAAUUUUU | | UAU | A |
| 4 | MAAUUUUUAAUQ | | AMMMAAAAAA | UUUAUUUU | UUUUUUQ | UUUUUUQ | AAUAAAAUUUUU | | UAUQQQ | A |
| 2 | MAAUUUUUAAUQ | | AMMMAAAAAA | UUUAUUUU | UUUUUUQ | UUUUUUQ | AAUAAAAUUUUU | | UAUQQQQQA | A |

Chart Start Date: Day #136

NOTES:

This graph is determined by plotting the greater of either the planetary A-index or the Boulder A-index. Graph lines are labelled according to the severity of the activity which occurred on each day. The left-hand column represents the associated A-Index for that day.

Q = Quiet, U = Unsettled, A = Active, M = Minor Storm, J = Major Storm, and S = Severe Storm.

CUMULATIVE GRAPHICAL CHART OF THE 10.7 CM SOLAR RADIO FLUX

| | | | | | | | | | | |
|-----|-------|--|-------|----|--|-------|-----|-------|---|--|
| 095 | | | | | | | | | | |
| 094 | * | | | | | | | | | |
| 093 | * | | | | | | | | | |
| 092 | * | | | | | | | | | |
| 091 | ** | | | | | | | | | |
| 090 | *** | | | | | | | | | |
| 089 | *** | | | | | | | | | |
| 088 | **** | | ** | | | | * | | | |
| 087 | **** | | ** | | | * | * | | | |
| 086 | **** | | ** | ** | | * | * | ***** | | |
| 085 | ***** | | ***** | | | * | *** | ***** | | |
| 084 | ***** | | ***** | | | * | *** | ***** | | |
| 083 | ***** | | ***** | | | ***** | | | | |
| 082 | ***** | | ***** | | | ***** | | | * | |

```

081 |*****          *****          *****|
080 |*****          *****          *****|
079 |*****          *****          *****|
078 |*****          *****          *****|
077 |*****          *****          *****|
076 |*****          *****          *****|
075 |*****          *****          *****|
074 |*****          *****          * *****|
073 |*****          *****          *****|
072 |*****          *****          *****|
071 |*****          *****          *****|
070 |*****          *****          *****|
069 |*****          *****          *****|
068 |*****          *****          *****|
067 |*****          *****          *****|
-----

```

Chart Start: Day #138

GRAPHICAL ANALYSIS OF 90-DAY AVERAGE SOLAR FLUX

```

087 |-----|
086 |*****|
085 |*****|
084 |*****|
083 |*****|
082 |*****|
081 |*****|
080 |*****          *****|
079 |*****          *****|
078 |*****          *****|
-----

```

Chart Start: Day #138

NOTES:

The 10.7 cm solar radio flux is plotted from data reported by the Penticton Radio Observatory (formerly the ARO from Ottawa). High solar flux levels denote higher levels of activity and a greater number of sunspot groups on the Sun. The 90-day mean solar flux graph is charted from the 90-day mean of the 10.7 cm solar radio flux.

CUMULATIVE GRAPHICAL CHART OF SUNSPOT NUMBERS

Middle Latitude Paths

| | | | | | | | | | | | | | |
|-------------------------------------|------------------------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| CONFIDENCE LEVEL ----- 75% | EXTREMELY GOOD | | | | | | | | | | | | |
| | VERY GOOD | | | | | | | | | | | | |
| | GOOD | ** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | ** |
| | FAIR | * | | | | | | | | | | | * |
| | POOR | | | | | | | | | | | | |
| | VERY POOR | | | | | | | | | | | | |
| | EXTREMELY POOR | | | | | | | | | | | | |
| | PROPAGATION QUALITY | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | | |
| | | Given in 8 Local-Hour Intervals | | | | | | | | | | | |

Low Latitude Paths

| | | | | | | | | | | | | | | |
|-------------------------------------|----------------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CONFIDENCE LEVEL ----- 75% | EXTREMELY GOOD | | | | | | | | | | | | | |
| | VERY GOOD | | | | | * | * | * | * | * | | | | |
| | GOOD | *** | *** | *** | * | * | * | * | * | * | * | *** | *** | |
| | FAIR | | | | | | | | | | | | | |
| | POOR | | | | | | | | | | | | | |
| | VERY POOR | | | | | | | | | | | | | |
| | EXTREMELY POOR | | | | | | | | | | | | | |
| ----- | | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| PROPAGATION QUALITY | | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | | | |
| | | Given in 8 Local-Hour Intervals | | | | | | | | | | | | |

NOTES:

NORTHERN HEMISPHERE

SOUTHERN HEMISPHERE

High latitudes ≥ 55 deg. N. | High latitudes ≥ 55 deg. S.

Middle latitudes $\geq 40^\circ < 55^\circ$ N. | Middle latitudes $\geq 30^\circ < 55^\circ$ S.

Low latitudes < 40 deg. N. | Low latitudes < 30 deg. S.

AURORAL ACTIVITY PREDICTIONS (15 JULY - 24 JULY)

High Latitude Locations

| | EXTREMELY HIGH | | | | | | | | | | | |
|------------------|-------------------|-------------|-----------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|
| CONFIDENCE LEVEL | VERY HIGH | | | | | | | | | | | |
| | HIGH | | | | | | | | | | | |
| ----- | MODERATE | * | * | | | | | | | | * | * |
| 65% | LOW | *** | *** | *** | ** | * | ** | *** | *** | *** | *** | *** |
| | NOT VISIBLE | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| | ----- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | AURORAL INTENSITY | Fri Eve. | Sat Twilight | Sun Midnight | Mon | Tue | Wed | Thu | Fri | Sat | Sun | |

Middle Latitude Locations

| | | | | | | | | | | | | |
|-------------------------------------|----------------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CONFIDENCE LEVEL ----- 70% | EXTREMELY HIGH | | | | | | | | | | | |
| | VERY HIGH | | | | | | | | | | | |
| | HIGH | | | | | | | | | | | |
| | MODERATE | | | | | | | | | | | |
| | LOW | * | * | | | | | | | | * | * |
| | NOT VISIBLE | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| ----- | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | AURORAL | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | |
| | INTENSITY | Eve.Twilight/Midnight/Morn.Twilight | | | | | | | | | | |

Low Latitude Locations

| | | | | | | | | | | | | |
|-------------------------------------|----------------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CONFIDENCE LEVEL ----- 90% | EXTREMELY HIGH | | | | | | | | | | | |
| | VERY HIGH | | | | | | | | | | | |
| | HIGH | | | | | | | | | | | |
| | MODERATE | | | | | | | | | | | |
| | LOW | | | | | | | | | | | |
| | NOT VISIBLE | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| ----- | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | AURORAL | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | |
| | INTENSITY | Eve.Twilight/Midnight/Morn.Twilight | | | | | | | | | | |

NOTE:

Version 2.00c of our Professional Dynamic Auroral Oval Simulation Software Package is now available. This professional software is particularly valuable to radio communicators, aurora photographers, educators, and astronomers. For more information regarding this software, contact: "Oler@Rho.Uleth.CA", or "COler@Solar.Stanford.Edu".

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: "Oler@Rho.Uleth.Ca" or to: "COler@Solar.Stanford.Edu". This document, as well as others and related data/forecasts exist on the STD BBS at: (403) 756-3008.

** End of Report **

End of Info-Hams Digest V94 #816
